

**Katahdin Paper Company LLC
Penobscot County
East Millinocket, Maine
A-405-70-E-A**

**Departmental
Findings of Fact and Order
Part 70 Air Emission License
Amendment #3**

After review of the Initial Part 70 License application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A, Section 344 and Section 590, the Department finds the following facts:

I. Registration

A. Introduction

FACILITY	Katahdin Paper Company LLC (KPC)
LICENSE NUMBER	A-405-70-E-A
LICENSE TYPE	Part 70 Minor Change
NAICS CODES	322122
NATURE OF BUSINESS	Paper Mill
FACILITY LOCATION	Main St., East Millinocket
DATE OF LICENSE ISSUANCE	November 13, 2002
DATE OF AMENDMENT ISSUANCE	April 27, 2004
LICENSE EXPIRATION DATE	November 13, 2007

B. Change Description

KPC is currently permitted to fire #6 fuel oil with a sulfur content not to exceed 1.5% by weight in their power boilers. In addition, Boilers #1 and #2 are limited to the firing of #6 fuel oil with a sulfur content not to exceed 0.7% when these boilers are fired together.

KPC has requested a minor change to their Part 70 license to add specification waste oil to the list of fuels allowed to be burned in the facility's power boilers. The waste oil would directly replace #6 fuel oil currently being burned and would contain no more sulfur than what is currently allowed in the #6 oil. It is anticipated that specification waste oil would make up less than 1% of the total oil burned.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that emissions from this source:

- will receive Best Practical Treatment;
- will not violate applicable emissions standards
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants the Part 70 minor change A-405-70-E-A subject to the conditions found in Air Emission License A-405-70-A-I, in the following amendments: A-405-70-B-M, A-405-70-C-T, A-405-70-D-M and in addition to the following conditions:

The following shall replace Condition (14)(A), (K) and (L) of Air Emission License A-405-70-A-I:

- A. KPC is license to operation EB1 and EB2 firing #6 fuel oil and specification waste oil. [MEDEP Chapter 140, BPT]
- K. KPC shall maintain records of annual #6 fuel oil and specification waste oil use indicating the quantity of fuel consumed (gallons), the percent (%) sulfur content of the fuel by weight, and the heat content of the fuel, demonstrated by fuel oil analyses or receipts. [MEDEP Chapter 140, BPT]
- L. KPC shall operate EB1 and EB2 such that each boiler does not exceed an annual capacity factor of 30% demonstrated by firing less than 6,482,400 gal/year of oil (#6 and specification waste oil combined) each. (Annual capacity factor means the ratio between the actual heat input to a steam generating unit from fuels during a calendar year, and the potential heat input to the steam generating unit had it been operating for 8760 hours at the maximum steady state design heat input capacity.) KPC shall maintain documentation of fuel use for EB1 and EB2 for each calendar year. Upon documentation that the annual fuel use has exceeded 6,482,400 gal/year for either EB1 or EB2, within 60 days thereafter KPC shall install, calibrate, maintain and operate a continuous monitoring system for opacity in accordance with the performance specifications set forth in 40 CFR Part 60, Appendix B for the boiler or boilers that exceed this limit. [MEDEP Chapter 117, Source Surveillance]

The following shall replace Conditions (15)(A) and (B) of Air Emission License A-405-70-A-I:

- A. KPC is licensed to operate EB3 which is licensed to fire #6 fuel oil, specification waste oil, and biomass. Biomass includes wood, bark, paper cores and other paper related waste products, primary clarifier sludge from the Millinocket and East Millinocket mills, recycle plant sludge, railroad ties and telephone poles. [MEDEP Chapter 140, BPT]
- B. KPC shall not exceed a heat input to EB3 of 240 MMBtu/hr from total oil firing. [MEDEP Chapter 140, BPT]

The following shall replace Condition (16) of Air Emission License A-405-70-A-I:

(16) Fuel Limit for EB3

KPC shall not exceed an annual fuel oil cap (#6 and specification waste oil combined) for EB3 of 13,578,000 gal/year (12-month rolling total) demonstrated by fuel use records. [MEDEP Chapter 140, BPT]

The following shall replace Condition (20)(A) of Air Emission License A-405-70-A-I:

(20) **Recordkeeping Requirements**

A. Periodic Monitoring:

1. 12-month rolling total fuel oil use in each of EB1, EB2, and EB3.
2. Amount (gallons) of specification waste oil fired.
3. #6 fuel oil sulfur content.
4. Specification waste oil sulfur content
5. Documentation of annual capacity factor for EB1 and EB2.
6. Log of the date, time, and sulfur content of fuel fired for all operation of EB1 and EB2.
7. Sulfur content of diesel fuel fired in the Fire Protection Pump and Clarifier Emergency Back-up Pump.
8. Fire Protection Pump and Clarifier Emergency Back-up Pump hours of operation.
9. Documentation that KPC is maintaining a valid NPDES and/or SPDES permit.
10. Solvent used in the degreasers.

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2004.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAWN R. GALLAGHER, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-405-70-A-I.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 4/8/04
Date of application acceptance: 4/12/04

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.